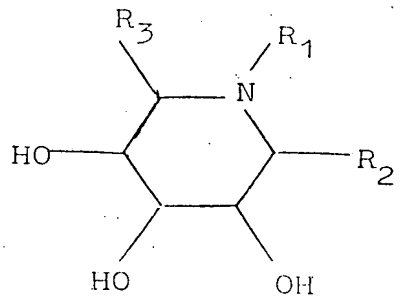


I

in which

R_1 is C_1-C_{30} alkyl, C_2-C_{18} alkenyl, C_2-C_{18} alkinyl, C_3-C_8 cycloalkyl, C_3-C_8 cycloalkenyl, C_3-C_8-cycloalkinyl or phenyl (a), said alkyl, cycloalkyl, cycloalkenyl and cycloalkinyl being unsubstituted or substituted by hydroxy, C_1-C_4-alkoxy, acyloxy, amino, mono- C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, acylamino, mercapto, C_1-C_4 alkylthio, halogen, C_1-C_4 alkylcarbonyl, carboxyl, nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a ring atom or via an -O-, -S- or -NH-bridge, naphthyl or phenyl (b); said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C_1 to C_4 alkyl, C_1 to C_4 alkoxy, nitro or amino, or a 5- or -membered heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C_1 to C_4 alkyl, chlorine, bromine or amino;

said phenyl (a) being unsubstituted or substituted by C_1 to C_{10} alkyl, C_1 to C_{10} chloroalkyl, C_1 to C_{10} nitroalkyl, C_1 to C_{10} cyanoalkyl, C_1 to C_{10} alkenyl, hydroxyl, C_1 to C_4 alkoxy, amino, mono-C_1 to C_4 alkylamino, di-C_1-C_4 alkylamino, mercapto, C_1-C_4 alkylthio, carboxyl, C_1-C_4 carbalkoxy, sulfo, C_1-C_4 alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C_1-C_4 alkylaminosulfonyl, di-C_1-C_4 alkylaminosulfonyl, nitro, cyano, formyl, C_1-C_4 alkylcarbonyl-amino, C_1-C_4 alkylcarbonyl, benzoyl, benzylcarbonyl or

phenylacylcarbonyl;

said naphthyl and phenyl (b) being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, C_1-C_4alkoxy, nitro, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl, halogen, C_1-C_4 alkylthio, mercapto, C_1-C_4 alkylsulfonyl, sulfur, aminosulfonyl or C_1-C_4 alkyl-aminosulfonyl

R_2 is -H, -OH, $-SO_3H$, -CN, $-CH_2NH_2$, $-CH_2NH-C_1$ to C_{14}-alkyl, $-CH_2NH-\overset{\overset{O}{\|}}{C}-C_1$ to C_{14}-alkyl, $-CH_2-NH-SO_2-C_1$ to C_{14}alkyl

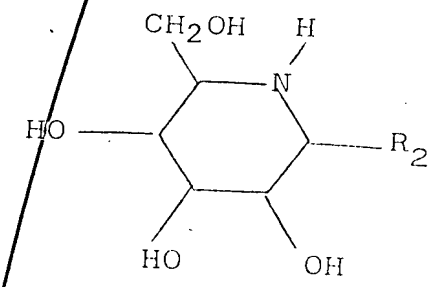
$-CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH-C_1$ to C_{14}-alkyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\overset{\overset{S}{\|}}{C}-NH-C_1$ to C_{14}-alkyl,

$-CH_2-NH-\overset{\overset{S}{\|}}{C}-NH$-phenyl, $-CH_2-NH-\overset{\overset{O}{\|}}{C}-O-C_1$ to C_{14}-alkyl or

$-CH_2-NH-\overset{\overset{O}{\|}}{C}-O$-phenyl wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, ethyl, methoxy, chlorine, bromine or nitro,

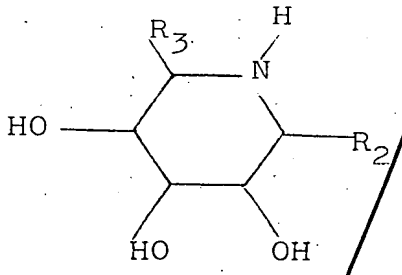
R_3 is -H, $-CH_3$, $-CH_2OH$, $-CH_2-NH_2$, $NHR'-CH_2-$, $NR'R''-CH_2-$, $R'CONH-CH_2-$, $R'CO-NR''CH_2-$, $R'O-CH_2-$, $R'COOCH_2-$, $R'SO_2NHCH_2-$, $R'SO_2-NR''CH_2-$, $R'NH-CO-NH-CH_2-$, $R'NHCS-NH-CH_2-$, $R'O-CO-NH-CH_2-$, wherein R' and R'' are the same or different and each has the meaning hydrogen or any of the meanings given above for R_1.

48. A compound of the formula



wherein
R_2 is $-CN$, $-CH_2NH_2$, $-CH_2NH-[C_1$ to C_{14}-alkyl$]$,
$-CH_2NH-\overset{O}{\overset{\|}{C}}-[C_1$ to C_{14}-alkyl$]$, $-CH_2-NH-SO_2-[C_1$ to $C_{14}]$-alkyl
$-CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}-NH[C_1$ to C_{14}-alkyl), $-CH_2-NH-\overset{O}{\overset{\|}{C}}-NH$-phenyl, $-CH_2-NH-\overset{S}{\overset{\|}{C}}-NH[C_1$ to C_{14}-alkyl), $-CH_2-NH-\overset{S}{\overset{\|}{C}}-NH$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}-O-[C_1$to C_{14}-alkyl$]$ or $-CH_2-NH-\overset{O}{\overset{\|}{C}}-O$-phenyl
wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, ethyl, methoxy, chlorine, bromin or nitro.

49. A compound of the formula



in which
R_2 is H, $-SO_3H$, $-CN$, $-CH_2NH_2$, $-CH_2NH-[C_1$ to C_{14}-alkyl$]$,
$-CH_2NH-\overset{O}{\overset{\|}{C}}-[C_1$ to C_{14}-alkyl$]$, $-CH_2-NH-SO_2-[C_1$ to $C_{14}]$-alkyl
$-CH_2-NH-SO_2$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}-NH[C_1$ to C_{14}-alkyl), $-CH_2-NH-\overset{O}{\overset{\|}{C}}-NH$-phenyl, $-CH_2-NH-\overset{S}{\overset{\|}{C}}-NH[C_1$ to C_{14}-alkyl), $-CH_2-NH-\overset{S}{\overset{\|}{C}}-NH$-phenyl, $-CH_2-NH-\overset{O}{\overset{\|}{C}}-O-[C_1$to C_{14}-alkyl$]$ or $-CH_2-NH-\overset{O}{\overset{\|}{C}}-O$-phenyl
wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, ethyl, methoxy, chlorine, bromin or nitro and R_3 is
CH_2-NH_2, $-CH_2-NHR'$, $-CH_2-NR'R"-$, $-CH_2-NHCOR'$, $-CH_2-NR"-COR'$, $-CH_2-OR'$, $-CH_2-OCOR'$, $-CH_2-NHSO_2R'$, $-CH_2-NR"-SO_2R'$, $-CH_2-NHCONH_2$, $-CH_2-NHCONHR'$, $-CH_2-NHCSNH_2$, $-CH_2-NHCSNHR'$, $-CH_2-NH-COOR'$
wherein R' and R" are the same or different and each is

C_1-C_{30} alkyl, C_2-C_{18} alkenyl, C_2-C_{18} alkinyl, C_3-C_8 cycloalkyl, C_3-C_8 cycloalkenyl, C_3-C_8-cycloalkinyl or phenyl (a), said alkyl, cycloalkyl, cycloalkenyl and cycloalkinyl being unsubstituted or substituted by hydroxy, C_1-C_4-alkoxy, acyloxy, amino, mono- C_1-C_4alkylamino, di-C_1-C_4 alkylamino, acylamino, mercapto, C_1-C_4 alkylthio, halogen, C_1-C_4 alkylcarbonyl, carboxyl, nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a ring atom or via an -O-, -S- or -NH-bridge, naphthyl or phenyl (b) said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C_1 to C_4 alkyl, C_1 to C_4 alkoxy, nitro or amino, or a 5- or 6-membered heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C_1 to C_4 alkyl, chlorine, bromine or amino;

said phenyl (a) being unsubstituted or substituted by C_1 to C_{10} alkyl, C_1 to C_{10} chloroalkyl, C_1 to C_{10} nitroalkyl, C_1 to C_{10} cyanoalkyl, C_1 to C_{10} alkenyl, hydroxyl, C_1 to C_4 alkoxy, amino mono-C_1 to C_4 alkylamino, di-C_1-C_4alkylamino, mercapto, C_1-C_4 alkylthio, carboxyl, C_1-C_4 carbalkoxy, sulfo, C_1-C_4 alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C_1-C_4 alkylaminosulfonyl, di-C_1-C_4 alkylaminosulfonyl, nitro, cyano, formyl, C_1-C_4 alkylcarbonylamino C_1-C_4 alkylcarbonyl, benzoyl, benzylcarbonyl or phenylacylcarbonyl;

said naphthyl and phenyl (b) being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, C_1-C_4alkoxy, nitro, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl, halogen, C_1-C_4 alkylthio, mercapto, C_1-C_4 alkylsulfonyl, sulfur, aminosulfonyl or C_1-C_4 alkylaminosulfonyl.

Claims 5, 7-16, 18, line 1 of each; claims 24 and 25 line 3 of each, in each delete "1" and substitute --47--.

Claim 18, lines 1-2, delete "other than said bioprecursors".

Claims 27 and 33, line 2 of each and claim 29, line 4 in each, delete "1" and substitute --47--.

Claim 29, line 2, change "hypereipaemia" to --hyperlipaemia--, line 4, delete "1" and substitute --47--.

Claims 34 and 35, line 3 of each, claims 36 and 39, line 2 of each and claim 38, line 4, in each delete "17" and substitute --18--.

Claim 45, line 2 and claim 46, line 1, in each delete "1" and substitute --47--.

NE Claim 24 (Once Amended) A pharmaceutical composition for the treatment of diabetes, hyperlipaemia or adiposity containing as an active ingredient an effective amount of a compound according to claim 47 [1] in admixture with a solid or liquefied gaseous diluent or in admixture with a liquid diluent other than a solvent of a molecular weight less than 200 except in the presence of a surface-active agent.

Claim 27 (Once Amended) A medicament in dosage unit form comprising an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim 47 [1] and an inert pharmaceutical carrier.

Claim 34 (Once Amended) A pharmaceutical composition containing as an active ingredient an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim [17] 18 in admixture with a solid or liquefied gaseous diluent or in admixture with a liquid diluent other than a solvent of a molecular weight less than 200 except in the presence of a surface-active agent.

Claim 35 (Once Amended) A pharmaceutical composition containing as an active ingredient an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim [17] 18 in the form of a sterile or physiologically isotonic aqueous solution.

Claim 36 (Once Amended) A medicament in dosage unit form comprising an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim [17] 18 and an inert pharmaceutical carrier.

Claim 40 (Once Amended) A pharmaceutical composition containing as an active ingredient an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim 18 in admixture with a solid or liquefied gaseous diluent or in admixture with a liquid diluent other than a solvent of a molecular weight less than 200 except in the presence of a surface-active agent.

Claim 41 (Once Amended) A pharmaceutical composition containing as an active ingredient an effective amount for the treatment of diabetes, hyperlipaemia or adiposity of a compound according to claim 18 in the form of a sterile or physiologically isotonic aqueous solution.

CANCELLATION OF CLAIMS:

Cancel claims 17 and 19-23, without prejudice.

Fee

Please charge any insufficiency of fees or credit any excess to our Deposit Account No. 19-3869.